## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016330

A CT A CCTTCT	CATION OF CUID INCOMA (ARTER)		
	CATION OF SUBJECT MATTER CO7D311/30, A61K31/352, 31/7 A23L1/30	048, 35/78, A61P3/04, 3	/10, 43/00,
According to Int	ternational Patent Classification (IPC) or to both nation	al classification and IPC	
B. FIELDS SE			
Minimum docum	nentation searched (classification system followed by c CO7D311/30, A61K31/352, 31/7 A23L1/30	lassification symbols) 048, 35/78, A61P3/04, 3	/10, 43/00,
	searched other than minimum documentation to the ext		
CAPLUS EMBASE	pase consulted during the international search (name of (STN), CAOLD (STN), REGISTRY (STI (STN)	data base and, where practicable, search to N), MEDLINE (STN), BOSIS	erms used) (STN),
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap		Relevant to claim No.
X	JP 5-236910 A (Nippon Flour 17 September, 1993 (17.09.93) Full text; particularly, Clase Par. No. [0002] (Family: none)	),	1-7
x .	JP 09143070 A (Nippon Flour 03 June, 1997 (03.06.97), Full text; particularly, Cla: [0001] to [0004] (Family: none)		1-7
х	JP 2002-80362 A (Kao Corp.), 19 March, 2002 (19.03.02), Full text; particularly, Clas [0001], [0034] (Family: none)	•	1-7
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	L
Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  document published prior to the international filing date but later than the priority date claimed  "T" later document published after the international filing date or priority date of the art which is not considered to underst the principle or theory underlying the invention cannot considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document of particular relevance in the priority date of an oral disclosure, use, exhibition or other was also an oral disclosure.		ation but cited to understand nvention  claimed invention cannot be dered to involve an inventive claimed invention cannot be step when the document is documents, such combination e art	
07 Dece	I completion of the international search ember, 2004 (07.12.04)	Date of mailing of the international sear 28 December, 2004	
Japanes	g address of the ISA/ se Patent Office	Authorized officer	
Facsimile No. Form PCT/ISA/21	0 (second sheet) (January 2004)	Telephone No.	<del></del>

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016330

		20047010330
C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT	
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х	JP 9-176010 A (Kureha Chemical Industry Co., Ltd.), 08 July, 1997 (08.07.97), Full text; particularly, Claims; Par. Nos. [0001], [0012], [0017], [0041] (Family: none)	1-4,6
х	JP 2002-524480 A (Korea Institute of Science and Technology), 06 August, 2002 (06.08.02), Full text; particularly, Claims & WO 00/15174 A2 & US 6096364 A & EP 1113791 A2 & KR 2000019716 A & KR 2001015494 A & CN 1322132 A	1-4,6
х	JP 2001-233768 A (BASF AG.), 28 August, 2001 (28.08.01), Full text; particularly, Claims & EP 1127572 A1 & US 2001/0046963 A1 & CN 1318371 A	1-4,6
x	NURALIEV, Yu. N. et al., The Efficacy of Quercetin in Alloxan Diabetes, Enksperimental'naya Klin Farmakol, 1992, Vol.55, No.1, pages 42 to 44	1-4,6
х	ISHIKAWA, Keiko et al., Effect of Flavonoids on the Differentiation of 3T3-L1 Adipocytes, Food.Sci.Techinol.Res., 2001, Vol.7, No.2, pages 154 to 160	1-3,5,7
Х .	KUPPUSAMY, U.R. et al., Potentiation of β-Adrenoceptor Agonist-Mediated Lipolysis by Quercetin and Fisetin in Isolated Rat Adipocytes, Biochemical Pharmacology, 1994, Vol.47, No.3, pages 521 to 529	1-3,5,7
х	JP 7-61927 A (Lotte Co., Ltd.), 07 March, 1995 (07.03.95), Full text; particularly, Claims; Par. Nos. [0001], [0029] (Family: none)	1-3,5,7
х	JP 10-95732 A (Nippon Flour Mills, Co., Ltd.), 14 April, 1998 (14.04.98), Full text; particularly, Claims; Par. Nos. [0010], [0024] (Family: none)	1-3,5,7
х	JP 2000-344673 A (Nippon Flour Mills, Co., Ltd.), 12 December, 2000 (12.12.00), Full text; particularly, Claims (Family: none)	1-3,5,7
	10 (continuation of coord shoot) (Terror 2004)	

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016330

	101/01	2004/016330
C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	JP 2-163067 A (Kenji NAKAJIMA), 22 June, 1990 (22.06.90), Full text; particularly, Claims; page 3 (Family: none)	4-8
Х	JP 2003-128571 A (Matsuura Yakugyo Kabushiki Kaisha), 08 May, 2003 (08.05.03), Full text; particularly, Claims (Family: none)	4,6,8
х	<pre>JP 2003-113100 A (Pola Chemical Industries Inc.), 18 April, 2003 (18.04.03), Full text; particularly, Par. Nos. [0008], [0011], [0028] (Family: none)</pre>	5,7,8
х	JP 8-198769 A (Pola Chemical Industries Inc.), 06 August, 1996 (06.08.96), Full text; particularly, Claims (Family: none)	5,7,8
A	WASSEL, G. et al., Flavonoids of Nelumbo nucifera Gaertn and Biological Evaluation, Egypt.J.Pharm.Sci., 1996, Vol.37, No.1 to 6, pages 585 to 596	1-8
A	WEYER, Christian et al., Development of $\beta_3$ -Adrenoceptor Agonists as Antiobesity and Antidiabetes Drugs in Humans: Current Status and Future Prospects, Drug Development Research, 2000, Vol.51, pages 80 to 93	1-8
A	DE SOUZA, Christopher J. et al., Beta <sub>3</sub> -Adrenoceptor Agonists as Anti-diabetic and Anti-obesit Drugs in Humans, Current Pharmaceutical Design, 2001, Vol.7, pages 1433 to 1449	1-8
P,X	JP 2004-141163 A (Kabushiki Kaisha Ryukyu Bio Resouce Kaihatsu), 20 May, 2004 (20.05.04), Full text; particularly, Claims; Par. Nos. [0006], [0018] (Family: none)	1-7
E,X	JP 2004-307365 A (Kao Corp.), 04 November, 2004 (04.11.04), Full text; particularly, Claims (Family: none)	5,7,8
	10 ( vi vi v of second shoot) (Ionyon, 2004)	

	属する分野の分類(国際特許分類(IPC)) D311/30, A61K31/352, 31/7048, 35/78, A61P3,	/04, 3/10, 43/00, A23L1/30	
B. 調査を行	<b>宁った分野</b>		
調査を行った	3.5/733 最小限資料(国際特許分類(IPC)) D311/30, A61K31/352, 31/7048, 35/78, A61P3,	/04, 3/10, 43/00, A23L1/30	
最小限资料以外	外の資料で調査を行った分野に含まれるもの		
		·	
国際調査で使用した電子データベース(データベースの名称、調査に使用した用語) CAPLUS (STN), CAOLD (STN), REGISTRY (STN), MEDLINE (STN), BIOSIS (STN), EMBASE (STN)			
C. 関連する	ると認められる文献		
引用文献の カテゴリー*		ときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	JP 5-236910 A (日本製粉株式会社) 全文、特に、特許請求の範囲、[0002 (ファミリーなし)		1-7
X	JP 09143070 A(日本製粉株式会社) 全文、特に、特許請求の範囲、[000] (ファミリーなし)	•	1–7
x C欄の続き	・ きにも文献が列挙されている。	. □ パテントファミリーに関する別	紙を参照。
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献(理由を付す) 「O」口頭による開示、使用、展示等に言及する文献「P」国際出願日前で、かつ優先権の主張の基礎となる出願 「&」同一パテントファミリー文献		各明の原理又は理論 当該文献のみで発明 とられるもの 当該文献と他の1以 目明である組合せに	
国際調査を完了	了した日 07.12.2004	国際調査報告の発送日 28.12.	2004
日本日	D名称及びあて先 国特許庁(ISA/JP) 耶便番号100-8915 耶千代田区霞が関三丁目4番3号	特許庁審査官(権限のある職員) 新 留 素 子 電話番号 03-3581-1101	4P 2939 内線 3490

C(続き).	関連すると認められる文献	
引用文献の   カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Х	JP 2002-80362 A (花王株式会社) 2002.03.19, 全文、特に、特許請求の範囲、[0001]、[0034]段落 (ファミリーなし)	1-7
X .	JP 9-176010 A (呉羽化学工業株式会社) 1997.07.08, 全文、特に、特許請求の範囲、[0001]、[0012]、[0017]、[0041]段 落 (ファミリーなし)	1-4, 6
X	JP 2002-524480 A (コリア インスティテュート オブ サイエンス アンド テクノロジー) 2002.08.06, 全文、特に、特許請求の範囲 & WO 00/15174 A2 & US 6096364 A & EP 1113791 A2 & KR 2000019716 A & KR 2001015494 A & CN 1322132 A	1-4, 6
Х	JP 2001-233768 A (ビーエーエスエフ アクチェンゲゼルシャフト) 2001.08.28, 全文、特に、特許請求の範囲 & EP 1127572 A1 & US 2001/0046963 A1 & CN 1318371 A	1-4, 6
Х	NURALIEV, Yu. N. et al., The Efficacy of Quercetin in Alloxan Diabetes, Enksperimental'naya Klin Farmakol, 1992, Vol. 55, No. 1, pp. 42-44	1-4, 6
Х	ISHIKAWA, Keiko et al., Effect of Flavonoids on the Differentiation of 3T3-L1 Adipocytes, Food. Sci. Technol. Res., 2001, Vol. 7, No. 2, pp. 154-160	1-3, 5, 7
Х	KUPPUSAMY, U. R. et al., Potentiation of $\beta$ -Adrenoceptor Agonist-Mediated Lipolysis by Quercetin and Fisetin in Isolated Rat Adipocytes, Biochemical Pharmacology, 1994, Vol. 47, No. 3, pp. 521-529	1-3, 5, 7
X	JP 7-61927 A (株式会社ロッテ) 1995.03.07, 全文、特に、特許請求の範囲、[0001]、[0029]段落 (ファミリーなし)	1-3, 5, 7
Х	JP 10-95732 A(日本製粉株式会社)1998.04.14, 全文、特に、特許請求の範囲、[0010]、[0024]段落 (ファミリーなし)	1-3, 5, 7
Х	JP 2000-344673 A (日本製粉株式会社) 2000.12.12, 全文、特に、特許請求の範囲 (ファミリーなし)	1-3, 5, 7

C (続き).	関連すると認められる文献	
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する 箇所の表示	関連する 請求の範囲の番号
X .	JP 2-163067 A (中島謙二) 1990.06.22, 全文、特に、特許請求の範囲、第3頁 (ファミリーなし)	4-8
X	JP 2003-128571 A (松浦薬業株式会社) 2003.05.08, 全文、特に、特許請求の範囲 (ファミリーなし)	4, 6, 8
X	JP 2003-113100 A (ポーラ化成工業株式会社) 2003.04.18, 全文、特に、特許請求の範囲、[0008]、[0011]、[0028]段落 (ファミリーなし)	5, 7, 8
X	JP 8-198769 A(ポーラ化成工業株式会社)1996.08.06, 全文、特に、特許請求の範囲 (ファミリーなし)	5, 7, 8
<b>A</b>	WASSEL, G. et al., Flavonoids of Nelumbo nucifera Gaertn and Biological Evaluation, Egypt. J. Pharm. Sci., 1996, Vol. 37, No. 1-6, pp. 585-596	1-8
A	WEYER, Christian et al., Development of $\beta_3$ -Adrenoceptor Agonists as Antiobesity and Antidiabetes Drugs in Humans: Current Status and Future Prospects, Drug Development Research, 2000, Vol. 51, pp. 80-93	1-8
A	DE SOUZA, Christopher J. et al., Beta:-Adrenoceptor Agonists as Anti-diabetic and Anti-obesit Drugs in Humans, Current Pharmaceutical Design, 2001, Vol.7, pp. 1433-1449	1-8
PΧ	JP 2004-141163 A (株式会社琉球バイオリソース開発) 2004.05.20, 全文、特に、特許請求の範囲、[0006]、[0018]段落 (ファミリーなし)	1-7
EΧ	JP 2004-307365 A (花王株式会社) 2004.11.04, 全文、特に、特許請求の範囲 (ファミリーなし)	5, 7, 8